

Substitute for form 1449A/PTO
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)



Complete if Known

Application Number 10/694,533
Filing Date October 27, 2003
First Named Inventor McMorris, Trevor
Group Art Unit 1614-1623
Examiner Name Maier, Leigh

Sheet 1 of 6

Attorney Docket No: 103.006US5

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
LCM	US-4,559,157	12/17/1985	Smith, James A., et al.	252	90	04/21/1983
LCM	US-4,608,392	08/26/1986	Jacquet, Bernard, et al.	514	844	08/28/1984
LCM	US-4,612,302	09/16/1986	Szabo, Sandor, et al.	514	11	11/14/1983
LCM	US-4,684,620	08/04/1987	Hruby, Victor J., et al.	514	11	09/04/1984
LCM	US-4,820,508	04/11/1989	Wortzman, Mitchell S.	424	59	06/23/1987
LCM	US-4,853,371	08/01/1989	Coy, David H., et al.	514	12	06/22/1988
LCM	US-4,938,949	07/03/1990	Borch, Richard F., et al.	514	476	09/12/1988
LCM	US-4,992,478	02/12/1991	Geria, Navin M.	514	782	04/04/1988
LCM	US-5,387,578	02/07/1995	Angelucci, F., et al.	514	21	02/20/1992
LCM	US-5,439,936	08/08/1995	Kelner, M. J., et al.	514	546	02/09/1993
LCM	US-5,439,942	08/08/1995	Kelner, Michael J., et al.	514	691	10/31/1990
LCM	US-5,523,490	06/04/1996	Kelner, Michael J., et al.	568	374	11/01/1994
LCM	US-5,563,176	10/08/1996	Kelner, M. J., et al.	514	691	07/15/1994
LCM	US-5,723,632	03/03/1998	McMorris, T. C.	549	331	08/08/1996
LCM	US-5,932,553	08/03/1999	McMorris, T. C., et al.	514	23	07/18/1996
LCM	US-6,025,328	02/15/2000	McMorris, T. C., et al.	514	2	02/20/1998
LCM	US-6,069,283	05/30/2000	McMorris, T. C., et al.	568	374	02/01/1999
LCM	US-6,380,403	04/30/2002	McMorris, T. C., et al.	549	330	02/09/2000
LCM	US-6,639,105	10/28/2003	McMorris, T. C., et al.	562	3553	04/29/2002

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²
LCM	EP-0915819B1	05/26/2004	McMorris, T. C., et al.	C07C	49/737	
	HU-208115B	05/28/1991	Macher, Ingolf			
LCM	JP-62-234040	10/14/1987	Shotard, Ono	C07C	49/737	
LCM	WO-91/04754	04/18/1991	Kelner, M. J., et al.	A61K	47/48	
LCM	WO-9104754A2	04/18/1991	Kelner, M. J., et al.	A61K	47/48	
LCM	WO-94/18151	08/18/1994	Kelner, M. J., et al.	C07C	49/737	
LCM	WO-94/25013	11/10/1994	Cousins, R. D., et al.	A61K	31/075	
LCM	WO-96/34005	10/31/1996	Danishefsky, Samuel J., et al.	C07H	15/24	
LCM	WO-97/03995	02/06/1997	Danishefsky, Samuel J., et al.	C07H	15/24	
LCM	WO-98/03458	01/29/1998	McMorris, T. C., et al.	C07C	49/737	

EXAMINER

Leigh C. Maier

DATE CONSIDERED

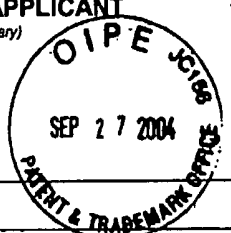
11-22-04

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. † Applicant's unique citation designation number (optional) ‡ Applicant is to place a check mark here if English language Translation is attached

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/694,533
		Filing Date	October 27, 2003
		First Named Inventor	McMorris, Trevor
		Group Art Unit	1614 1623
		Examiner Name	Maier, Leigh
Sheet 2 of 6		Attorney Docket No: 103.006US5	



FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²
LCM	WO-WO91/04754	04/18/1991	Kelner, M. J., et al.	A61K	47/48	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T ²
LCM		European Search Report from European Application No. 04 01 2220, dated 15 July 2004, 5 pgs				
LCM		ANCHEL, MARJORIE, et al., "Antibiotic Substances From Basidiomycetes. VII. Clitocybe Illudens", <u>Proceedings of the National Academy of Sciences</u> , 36 (5), (1950),300-305				
LCM		ANCHEL, M., et al., "The Biogenesis of Illudins S and M in Clitocybe Illudens", <u>Phytochemistry</u> , 9(11), (November 1970),2339-2343				
LCM		ARAP, WADIH, et al., "Cancer Treatment by Targeted Drug Delivery to Tumor Vasculature in a Mouse Model", <u>Science</u> , 279(5349), (January 16, 1998),377-380				
LCM		BRANDSTETEROVA, E., et al., "HPLC Analysis of Novel Anti-Cancer Agents-Illudens and Their Analogs", <u>Journal of Liquid Chromatography</u> , 16 (1), (1993),pp. 115-125				
LCM		BRANDSTETEROVA, E., et al., "HPLC Determination of a New Anticancer Agent (Acylfulvene) in Serum", <u>Neoplasma</u> , 39 (6), (1992),pp. 369-373				
LCM		BURREN, N. S., et al., "Antitumor Activity and Mechanism of Action of the Novel Marine Natural Products Mycalamide-A and -B and Onnamide", <u>Cancer Research</u> , 49, (June 1989),2935-2940				
LCM		CURTIS, ERIN A., et al., "An Efficient Dipolar-Cycloaddition Route to the Pterosin Family of Sesquiterpenes", <u>Tetrahedron Letters</u> , 36 (12), (March 1995),pp. 1989-1992				
LCM		DILLMAN, R. O., et al., "Athymic Mouse Model of a Human T-Cell Tumor", <u>Cancer Research</u> , 45, (November, 1985),pp. 5632-5636				
LCM	NG	EVA, K. M., et al., "An Efficient Synthesis of Pterosin C and Other Pterosins", <u>Canadian Journal of Chemistry</u> , 62 (10), (Oct. 1984),pp. 1945-1953				
LCM		FRENCH, A. L., et al., "Poisoning with the North American Jack O' Lantern Mushroom", <u>Clinical Toxicology</u> , 26 (1 & 2), (1988),pp. 81-88				
LCM		GIOVANELLA, B. C., et al., "Correlation Between Response to Chemotherapy of Human Tumors in Patients and in Nude Mice", <u>Cancer</u> , 52, (1983),pp. 1146-1152				
LCM		GIOVANELLA, B. C., et al., "DNA Topoisomerase I-Targeted Chemotherapy of Human Colon Cancer in Xenografts", <u>Science</u> , 246 (4933), (Nov. 24, 1989),pp. 1046-1048				
LCM		GOLDIN, A., et al., "Current Results of the Screening Program at the Division of Cancer treatment, National Cancer Institute", <u>Europ. J. Cancer</u> , 17, (1981),pp. 129-142				

EXAMINER

Leigh C. Maier

DATE CONSIDERED 11-22-04

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="padding: 2px;">Complete if Known</td> </tr> <tr> <td style="width: 50%; padding: 2px;">Application Number</td> <td style="padding: 2px;">10/694,533</td> </tr> <tr> <td style="padding: 2px;">Filing Date</td> <td style="padding: 2px;">October 27, 2003</td> </tr> <tr> <td style="padding: 2px;">First Named Inventor</td> <td style="padding: 2px;">McMorris, Trevor</td> </tr> <tr> <td style="padding: 2px;">Group Art Unit</td> <td style="padding: 2px;">4614 1623</td> </tr> <tr> <td style="padding: 2px;">Examiner Name</td> <td style="padding: 2px;">Maier, Leigh</td> </tr> <tr> <td colspan="2" style="padding: 2px;">Attorney Docket No: 103.006US5</td> </tr> </table>	Complete if Known		Application Number	10/694,533	Filing Date	October 27, 2003	First Named Inventor	McMorris, Trevor	Group Art Unit	4614 1623	Examiner Name	Maier, Leigh	Attorney Docket No: 103.006US5	
Complete if Known															
Application Number	10/694,533														
Filing Date	October 27, 2003														
First Named Inventor	McMorris, Trevor														
Group Art Unit	4614 1623														
Examiner Name	Maier, Leigh														
Attorney Docket No: 103.006US5															

Sheet 3 of 6

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T [†]
LCM		GOLDIN, A., et al., "Historical Development and Current Strategy of the National Cancer Institute Drug Development Program", In: <u>Methods in Cancer Research</u> , Vol. XVI, Cancer Drug Development Part A, Chapter V, Academic Press, Inc., New York, (1979), pp. 165-245	
LCM		GREENE, T. W., <u>Protective Groups in Organic Synthesis</u> , Chapters 4, 5 & 6, John Wiley & Sons, Inc., New York, (1981), pp. 114-217	
LCM		HANSON, J. R., et al., "Studies in Terpenoid Biosynthesis. Part XV. Biosynthesis of the Sesquiterpenoid Illuden M", <u>Journal of the Chemical Society, Perkin Transactions I</u> , (1976), 876-880	
LCM		HARA, M., et al., "6-Deoxyilluden M, a New Antitumor Antibiotic: Fermentation, Isolation and Structural Identification", <u>The Journal of Antibiotics</u> , 40, (Nov. 1987), pp. 1643-1646	
LCM		HARTTIG, U., et al., "Leaianafulvene, a Sesquiterpenoid Fulvene Derivative from Cultures of Mycená Leaiana", <u>Phytochemistry</u> , 29 (12), (1990), pp. 3942-3944	
LCM		HIRONO, I., et al., "Reproduction of Acute Bracken Poisoning in a Calf with Ptaquiloside, a Bracken Constituent", <u>The Veterinary Record</u> , 115 (15), (Oct. 1984), pp. 375-378	
LCM		INOUE, K., et al., "Antitumor Efficacy of Seventeen Anticancer Drugs in Human Breast Cancer Xenograft (MX-1) Transplanted in Nude Mice", <u>Cancer Chemother. Pharmacol.</u> , 10, (1983), pp. 182-186	
LCM		KAWATO, Y., et al., "Antitumor Activity of a Camptothecin Derivative, CPT-11, Against Human Tumor Xenografts in Nude Mice", <u>Cancer Chemother. Pharmacol.</u> , 28, (1991), pp. 192-198	
LCM		KELNER, M. J., et al., "In Vitro and In Vivo Studies on the Anticancer Activity of Dehydroilluden M", <u>Anticancer Research</u> , 15, (1995), pp. 873-878	
LCM		KELNER, M. J., et al., "Nonresponsiveness of the Metastatic Human Lung Carcinoma MV522 Xenograft to Conventional Anticancer Agents", <u>Anticancer Research</u> , 15, (1995), pp. 867-872	
LCM		KELNER, M. J., et al., "Preclinical Evaluation of Illudens as Anticancer Agents", <u>Cancer Research</u> , 47, (1987), pp. 3186-3189	
LCM		KELNER, M. J., et al., "Preclinical Evaluation of Illudens as Anticancer Agents: Basis for Selective Cytotoxicity", <u>J. Natl. Cancer Inst.</u> , 82 (19), (1987), pp. 1562-1565	
LCM		LU, JIANLIANG, et al., "An expeditious synthesis of the potent antitumor agent, (+)-hydroxymethylacylfulvene using an allenic Paulson-Khand type cycloaddition", <u>American Chemical Society, Division of Organic Chemistry Abstracts</u> , 217th ACS National Meeting in Anaheim, CA, (Mar. 21-25, 1999), 1 p.	

EXAMINER

Leigh C. Maier

DATE CONSIDERED 11-22-04

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete if Known	
	Application Number	10/694,533
	Filing Date	October 27, 2003
	First Named Inventor	McMorris, Trevor
	Group Art Unit	1614-1623
	Examiner Name	Maier, Leigh
Attorney Docket No: 103.006US5		

Sheet 4 of 6

OTHER DOCUMENTS – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
LCM		MATSUMOTO, TAKESHI, et al., "An Alternative Synthesis of Illudin M", <u>Tetrahedron Letters</u> , 14, (March 1970), pp. 1171-1174	
LCM		MATSUMOTO, T., et al., "Synthesis of Illudin S", <u>Tetrahedron Letters</u> , 23, (May 1971), pp. 2049-2052	
		MCMORRIS, T. C., et al., "(Hydroxymethyl) Acyfulvene: An Illuden Derivative with Superior Antitumor Properties", <u>Journal of Natural Products</u> , 59 (9), (Sept. 1996), pp. 896-899	
LCM		MCMORRIS, T. C., et al., "(Hydroxymethyl)acyfulvene: An Illudin Derivative with Superior Antitumor Properties", <u>Chemical Abstracts</u> , abstract No. 196032, Vol. 125, No. 15, (October 7, 1996),	
LCM		MCMORRIS, T. C., et al., "Acylfulvenes, a New Class of Potent Antitumor Agents", 52 (1), Deptt. of Chemistry and Pathology; University California, (1996), 75-80 <i>Experientia</i>	
		MCMORRIS, T. C., et al., "An Acetal Derivative of Illudin S with Improved Antitumor Activity", 38 (10), Deptt. of Chemistry and Biochemistry, Deptt. of Pathology, University of California, (1997), 1697-1698	
LCM		MCMORRIS, TREVOR C., et al., "An Acetal Derivative of Illudin S with Improved Antitumor Activity", <u>Tetrahedron letters</u> , 38 (10), (1997), pp. 1697-1698	
LCM		MCMORRIS, T. C., et al., "Design and Synthesis of Antitumor Acylfulvenes", 62 (9), Deptt. of Chemistry and Biochemistry, University of California, (Jan. 27, 1997), 3015-3018 <i>J. Org. Chem.</i>	
LCM		MCMORRIS, T. C., et al., "Fungal Metabolites. The Structures of the Novel Sesquiterpenoids Illudin -S and -M", <u>J. of Amer. Chem. Soc.</u> , 87 (7), (1965), pp. 1594-1600	
LCM		MCMORRIS, T. C., et al., "Hydroxymethyl Acyfulvene: An Illudin Derivative with Superior Antitumor Properties", 125 (15), (Oct. 7, 1997), 1251 <i>J. Nat. Prod.</i>	
LCM		MCMORRIS, T. C., et al., "Metabolism of Antitumor Acylfulvene by Rat Liver Cytosol", <u>Biochemical Pharmacology</u> , 57, (1999), pp. 83-88	
LCM		MCMORRIS, T. C., et al., "On the Mechanism of Toxicity of Illudens: The Role of Glutathione", <u>Chemical Research Toxicology</u> , 3 (6), (Nov./Dec. 1990), pp. 574-579	
LCM		MCMORRIS, T. C., et al., "Reaction of Antitumor Hydroxymethylacylfulvene (HMAF) with Thiols", <u>Tetrahedron</u> , 53 (43), (1997), pp. 14579-14590	
LCM		MCMORRIS, T. C., et al., "Structure and reactivity of Illudens", <u>Tetrahedron</u> , 45 (17), (1989), pp. 5433-5440	
LCM		MCMORRIS, T. C., et al., "Structure-Activity Relationships of Illudens: Analogs with Improved Therapeutic Index", <u>Journal of Organic Chemistry</u> , 57 (25), (Dec. 4, 1992), pp. 6876-6883	
LCM		MCMORRIS, TREVOR C., "Total Synthesis of hydroxymethylacylfulvene, an antitumour derivative of illudin S", <u>Chem. Commun.</u> , (1997), pp. 315-316	

EXAMINER

Leigh C. Maier

DATE CONSIDERED 11-22-04

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete if Known	
	Application Number	10/694,533
	Filing Date	October 27, 2003
	First Named Inventor	McMorris, Trevor
	Group Art Unit	1614 1623
	Examiner Name	Maier, Leigh
Sheet 5 of 6	Attorney Docket No: 103.006US5	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
LCM		PADWA, ALBERT, et al., "An approach toward the Illudin family of sesquiterpenes using the tandem cyclization-cycloaddition reaction of rhodium carbenoids", <u>The Journal of Organic Chemistry</u> , 62 (5), (March 7, 1997), pp. 1317-1325	
LCM		PADWA, ALBERT, et al., "Generation and Cycloaddition behavior of spirocyclic carbonyl ylides. Application to the synthesis of the Pterosin Family of Sesquiterpenes", <u>The Journal of Organic Chemistry</u> , 61 (1), (Jan. 12, 1996), pp. 73-81	
LCM		PADWA, ALBERT, et al., "Synthetic studies toward Illudins and Ptaguilosin: A Highly Convergent approach via the dipolar cycloaddition of carbonyl ylides", <u>The Journal of the American Chemical Society</u> , 116, (1994), pp. 2667-2668	
LCM		SCHABEL, F. M., et al., "Testing Therapeutic Hypotheses in Mice and Man: Observations on the Therapeutic Activity Against Advanced Solid Tumors of Mice Treated with Anticancer Drugs that Have Demonstrated or Potential Clinical Utility for Treatment of Advanced Solid Tumors of Man", In: <u>Methods in Cancer Research</u> , Vol. XVII, Cancer Drug Development Part B, Chapter 1, Academic Press, Inc., (1979), pp. 3-50	
		SHIMOMURA, O., "The Role of Superoxide Dismutase in Regulating the Light Emission of Luminescent Fungi", <u>The Journal of Experimental Botany</u> , 43 (256), (Nov. 1992), pp. 1519-1525	
LCM		SHINOZAWA, S., et al., "The Antitumor Effect of Illudin S (Lampterol) Entrapped in Liposome for Mice Inoculated with Ehrlich Ascites Tumor Cells", <u>Chemical Abstracts</u> , 90 (25), Abstract No. 197682m, (June 18, 1979), 1 p.	
LCM		STEEL, G. G., et al., "The Response to Chemotherapy of a Variety of Human Tumor Xenografts", <u>Br. J. Cancer</u> , 47, (1983), pp. 001-013	
LCM		TANAKA, K., et al., "Metabolism by Rat Liver Cytosol of Illuden S, a Toxic Substance of Lampteromyces Japonicus. II. Characterization of Illuden S-Metabolizing Enzyme", <u>Xenobiotica</u> , 22 (1), (1992), pp. 33-39	
LCM		TANAKA, K., et al., "Metabolism of Illuden S, a Toxic Principle of Lampteromyces Japonicus, by Rat Liver. I. Isolation and Identification of Cyclopropane Ring-Cleavage Metabolites", <u>Xenobiotica</u> , 20 (7), (1990), pp. 671-681	
LCM		TANAKA, KEN, et al., "Michael-type addition of illudin S, a toxic substance from Lampteromyces japonicus with Cysteine and Cysteine-containing peptides in vitro", <u>Chem. Pharm. Bull.</u> , Vol. 44, No. 2, (1996), pp. 273-279	
LCM		VARKI, N. M., et al., "Cloned Low Metastatic Variants from Human Lung Carcinoma Metastases", <u>Anticancer Research</u> , 10, (1990), pp. 637-644	
LCM		VENDETTI, J. M., et al., "Current NCI Preclinical Antitumor Screening in Vivo: Results of Tumor Panel Screening, 1976-1982, and Future Directions", <u>Advances in Pharmacology and Chemotherapy</u> , 20, (1984), pp. 1-20	

EXAMINER

Leigh C. Maier

DATE CONSIDERED

11-22-04

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete if Known	
	Application Number	10/694,533
	Filing Date	October 27, 2003
	First Named Inventor	McMorris, Trevor
	Group Art Unit	1614 1623
	Examiner Name	Maier, Leigh
Sheet 6 of 6	Attorney Docket No: 103.006US5	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
LCM		VENDITTI, J. M., "The National Cancer Institute Antitumor Drug Discovery Program, Current and Future Perspectives: A Commentary", <u>Cancer Treatment Reports</u> , 67 (9), (Sept. 1983), pp. 767-772	
LCM		WALSER, J. , et al., "Mode of Action of Illuden S", <u>Antimicrobial Agents and Chemotherapy</u> , 3 (3), (March 1973), pp. 357-363	
LCM		WEINREB, S. M., "Fulvenes Derived from Illuden S", <u>Tetrahedron Letters</u> , 38, (Sept. 1971), pp. 3489-3491	
		WOLFF, MANFRED E., "Burger's Medicinal Chemistry and Drug Discovery", Fifth Edition, Vol. 1: Principles and Practice, 785-786	

EXAMINER

Leigh C. Maier

DATE CONSIDERED

11-22-04

Substitute for form 1449A/PTO
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Complete if Known

Application Number	Unknown
Filing Date	Even Date Herewith
First Named Inventor	McMorris, Trevor
Group Art Unit	Unknown 1623
Examiner Name	Maier, Leigh

Sheet 1 of 5

Attorney Docket No: 103.006US5

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
	US-4,559,157	12/17/1985	Smith, J. A., et al.	252	90	04/21/1983
	US-4,608,392	08/26/1986	Jacquet, B., et al.	514	844	08/28/1984
	US-4,612,302	09/16/1986	Szabo, , et al.	514	11	11/14/1983
	US-4,684,620	08/04/1987	Hruby, , et al.	514	11	09/04/1984
	US-4,820,508	04/11/1989	Wortzman, M. S.	424	59	06/23/1987
	US-4,853,371	08/01/1989	Coy, , et al.	514	12	06/22/1988
	US-4,938,949	07/03/1990	Borch, R. F., et al.	424	10	09/12/1988
	US-4,992,478	02/12/1991	Geria, N. M.	514	782	04/04/1988
	US-5,387,578	02/07/1995	Angelucci, F., et al.	514	21	02/20/1992
	US-5,439,936	08/08/1995	Kelner, M. J., et al.	514	546	02/09/1993
	US-5,439,942	08/08/1995	Kelner, Michael J., et al.	514	691	10/31/1990
	US-5,523,490	06/04/1996	Kelner, Michael J., et al.	568	374	11/01/1994
	US-5,563,176	10/08/1996	Kelner, M. J., et al.	514	691	07/15/1994
	US-5,723,632	03/03/1998	McMorris, T. C.	549	331	08/08/1996
	US-5,932,553	08/03/1999	McMorris, T. C., et al.	514	23	07/18/1996
	US-6,025,328	02/15/2000	McMorris, T. C., et al.	514	2	02/20/1998

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²
	JP-62-234040	10/14/1987		C07 C	49/737	
	WO-91/04754	04/18/1991	Kelner, M. J., et al.	A61K	47/48	
	WO-94/18151	08/18/1994	Kelner, M. J., et al.	C07 C	49/737	
	WO-94/25013	11/10/1994	Cousins, R. D., et al.	A61K	31/075	
	WO-96/34005	10/31/1996	Danishefsky, , et al.	C07 H	15/24	
	WO-97/03995	02/06/1997	Danishefsky, , et al.	C07 H	15/24	
	WO-98/03458	01/29/1998	McMorris, T. C., et al.	C07 C	49/737	
	WO-91/04754	04/18/1991	Kelner, Michael J., et al.			

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		ANCHEL, MARJORIE, et al., "Antibiotic Substances From Basidiomycetes. VII.	

EXAMINER

Leigh C. Maier

DATE CONSIDERED 11-22-04

Substitute for form 1449A/PTO
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Complete if Known

Application Number	Unknown
Filing Date	Even Date Herewith
First Named Inventor	McMorris, Trevor
Group Art Unit	Unknown 1623
Examiner Name	Maier, Leigh

Sheet 2 of 5

Attorney Docket No: 103.006US5

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Clitocybe Illudens", <u>Proceedings of the National Academy of Sciences</u> , 36 (5), (1950),pp. 300-305	
		ANCHEL, M. , et al., "The Biogenesis of Illudins S and M in Clitocybe Illudens", <u>Phytochemistry</u> , 9 (11), (Nov. 1970),pp. 2339-2343	
		ARAP, W. , et al., "Cancer Treatment by Targeted Drug Delivery to Tumor Vasculature in a Mouse Model", <u>Science</u> , 279, (Jan. 16, 1998),pp. 377-380	
		BRANDSTETEROVA, E. , et al., "HPLC Analysis of Novel Anti-Cancer Agents-Illudens and Their Analogs", <u>Journal of Liquid Chromatography</u> , 16 (1), (1993),pp. 115-125	
		BRANDSTETEROVA, E. , et al., "HPLC Determination of a New Anticancer Agent (Acylfulvene) in Serum", <u>Neoplasma</u> , 39 (6), (1992),pp. 369-373	
		BURRES, N. S., et al., "Antitumor Activity and Mechanism of Action of the Novel Marine Natural Products Mycalamide-A and -B and Onnamide", <u>Cancer Research</u> , 49, (June, 1989),pp. 2935-2940	
		CURTIS, ERIN A., et al., "An Efficient Dipolar-Cycloaddition Route to the Pterosin Family of Sesquiterpenes", <u>Tetrahedron Letters</u> , 36 (12), (March 1995),pp. 1989-1992	
		DILLMAN, R. O., et al., "Athymic Mouse Model of a Human T-Cell Tumor", <u>Cancer Research</u> , 45, (November, 1985),pp. 5632-5636	
		EVA, K. M., et al., "An Efficient Synthesis of Pterosin C and Other Pterosins", <u>Canadian Journal of Chemistry</u> , 62 (10), (Oct. 1984),pp. 1945-1953	
		FRENCH, A. L., et al., "Poisoning with the North American Jack O' Lantern Mushroom", <u>Clinical Toxicology</u> , 26 (1 & 2), (1988),pp. 81-88	
		GIOVANELLA, B. C., et al., "Correlation Between Response to Chemotherapy of Human Tumors in Patients and in Nude Mice", <u>Cancer</u> , 52, (1983),pp. 1146-1152	
		GIOVANELLA, B. C., et al., "DNA Topoisomerase I-Targeted Chemotherapy of Human Colon Cancer in Xenografts", <u>Science</u> , 246 (4933), (Nov. 24, 1989),pp. 1046-1048	
		GOLDIN, A. , et al., "Current Results of the Screening Program at the Division of Cancer treatment, National Cancer Institute", <u>Europ. J. Cancer</u> , 17, (1981),pp. 129-142	
		GOLDIN, A. , et al., "Historical Development and Current Strategy of the National Cancer Institute Drug Development Program", In: <u>Methods in Cancer Research</u> , Vol. XVI, <u>Cancer Drug Development Part A, Chapter V</u> , Academic Press, Inc., New York,(1979),pp. 165-245	
		GREENE, T. W., <u>Protective Groups in Organic Synthesis</u> , Chapters 4, 5 & 6, John Wiley & Sons, Inc., New York,(1981),pp. 114-217	
		HANSON, J. R., et al., "Studies in Terpenoid Biosynthesis. Part XV. Biosynthesis of the Sesquiterpenoid Illuden M", <u>Journal of the Chemical Society, Perkin Transactions I</u> ,(1976),pp. 876-880	

EXAMINER

Leigh C. Maier

DATE CONSIDERED 11-22-04

Substitute for form 1448A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete if Known	
	Application Number	Unknown
	Filing Date	Even Date Herewith
	First Named Inventor	McMorris, Trevor
	Group Art Unit	Unknown <i>1623</i>
	Examiner Name	Maier, Leigh
Sheet 3 of 5	Attorney Docket No: 103.006US5	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		HARA, M. , et al., "6-Deoxyilludin M, a New Antitumor Antibiotic: Fermentation, Isolation and Structural Identification", <u>The Journal of Antibiotics</u> , <u>40</u> , (Nov. 1987),pp. 1643-1646	
		HARTTIG, U. , et al., "Leaiianafulvene, a Sesquiterpenoid Fulvene Derivative from Cultures of <i>Mycena Leaiana</i> ", <u>Phytochemistry</u> , <u>29</u> (12), (1990),pp. 3942-3944	
		HIRONO, I. , et al., "Reproduction of Acute Bracken Poisoning in a Calf with Ptaquiloside, a Bracken Constituent", <u>The Veterinary Record</u> , <u>115</u> (15), (Oct. 1984),pp. 375-378	
		INOUE, K. , et al., "Antitumor Efficacy of Seventeen Anticancer Drugs in Human Breast Cancer Xenograft (MX-1) Transplanted in Nude Mice", <u>Cancer Chemother. Pharmacol.</u> , <u>10</u> , (1983),pp. 182-186	
		JOCEAH, J. <u>Org. Chem. (Joceah, 00223263)</u> , <u>97</u> , Vol. <u>62</u> , (9), Univ. of California, 3015-3018	
		KAWATO, Y. , et al., "Antitumor Activity of a Camptothecin Derivative, CPT-11, Against Human Tumor Xenografts in Nude Mice", <u>Cancer Chemother. Pharmacol.</u> , <u>28</u> , (1991),pp. 192-198	
		KELNER, M. J., et al., "In Vitro and In Vivo Studies on the Anticancer Activity of Dehydroilluden M", <u>Anticancer Research</u> , <u>15</u> , (1995),pp. 873-878	
		KELNER, M. J., et al., "Nonresponsiveness of the Metastatic Human Lung Carcinoma MV522 Xenograft to Conventional Anticancer Agents", <u>Anticancer Research</u> , <u>15</u> , (1995),pp. 867-872	
		KELNER, M. J., et al., "Preclinical Evaluation of Illudens as Anticancer Agents", <u>Cancer Research</u> , <u>47</u> , (1987),pp. 3186-3189	
		KELNER, M. J., et al., "Preclinical Evaluation of Illudens as Anticancer Agents: Basis for Selective Cytotoxicity", <u>J. Natl. Cancer Inst.</u> , <u>82</u> (19), (1987),pp. 1562-1565	
		LU, JIANLIANG , et al., "An expeditious synthesis of the potent antitumor agent, (+)-hydroxymethylacylfulvene using an allenic Paulson-Khand type cycloaddition", <u>American Chemical Society, Division of Organic Chemistry Abstracts</u> , 217th ACS National Meeting in Anaheim, CA, (Mar. 21-25, 1999), 1 p.	
		MATSUMOTO, TAKESHI , et al., "An Alternative Synthesis of Illudin M", <u>Tetrahedron Letters</u> , <u>14</u> , (March 1970),pp. 1171-1174	
		MATSUMOTO, T. , et al., "Synthesis of Illudin S", <u>Tetrahedron Letters</u> , <u>23</u> , (May 1971),pp. 2049-2052	
		MCMORRIS, T. C., et al., "(Hydroxymethyl) Acylfulvene: An Illuden Derivative with Superior Antitumor Properties", <u>Journal of Natural Products</u> , <u>59</u> (9), (Sept. 1996),pp. 896-899	
		MCMORRIS, T. C., et al., "(Hydroxymethyl)acylfulvene: An Illudin Derivative with Superior Antitumor Properties", <u>Chemical Abstracts</u> , abstract No. 196032, Vol. 125, No. 15, (October 7, 1996),	

EXAMINER

Leigh C. Maier

DATE CONSIDERED *11-22-04*

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete if Known	
	Application Number	Unknown
	Filing Date	Even Date Herewith
	First Named Inventor	McMorris, Trevor
	Gr up Art Unit	Unknown 1623
	Examiner Name	Maier, Leigh
Sheet 4 of 5	Attorney Docket No: 103.006US5	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		MCMORRIS, T. C., et al., "Acylfulvenes, a New Class of Potent Antitumor Agents", <u>Experientia</u> , 52 (1), (April 21, 1995), pp. 75-80	
		MCMORRIS, TREVOR C., et al., "An Acetal Derivative of Illudin S with Improved Antitumor Activity", <u>Tetrahedron letters</u> , 38 (10), (1997), pp. 1697-1698	
		MCMORRIS, TREVOR C., et al., "Design and Synthesis of Antitumor Acylfulvenes", <u>The Journal of Organic Chemistry</u> 62 (9), (1997), pp. 3015-3018	
		MCMORRIS, T. C., et al., "Fungal Metabolites. The Structures of the Novel Sesquiterpenoids Illudin -S and -M", <u>J. of Amer. Chem. Soc.</u> , 87 (7), (1965), pp. 1594-1600	
		MCMORRIS, T. C., et al., "On the Mechanism of Toxicity of Illudens: The Role of Glutathione", <u>Chemical Research Toxicology</u> , 3 (6), (Nov./Dec. 1990), pp. 574-579	
		MCMORRIS, T. C., et al., "Reaction of Antitumor Hydroxymethylacylfulvene (HMAF) with Thiols", <u>Tetrahedron</u> , 53 (43), (1997), pp. 14579-14590	
		MCMORRIS, T. C., et al., "Structure and reactivity of Illudens", <u>Tetrahedron</u> , 45 (17), (1989), pp. 5433-5440	
		MCMORRIS, T. C., et al., "Structure-Activity Relationships of Illudens: Analogs with Improved Therapeutic Index", <u>Journal of Organic Chemistry</u> , 57 (25), (Dec. 4, 1992), pp. 6876-6883	
		MCMORRIS, TREVOR C., "Total Synthesis of hydroxymethylacylfulvene, an antitumour derivative of illudin S", <u>Chem. Commun.</u> , (1997), pp. 315-316	
		PADWA, ALBERT, et al., "An approach toward the Illudin family of sesquiterpenes using the tandem cyclization-cycloaddition reaction of rhodium carbenoids", <u>The Journal of Organic Chemistry</u> , 62 (5), (March 7, 1997), pp. 1317-1325	
		PADWA, ALBERT, et al., "Generation and Cycloaddition behavior of spirocyclic carbonyl ylides. Application to the synthesis of the Pterisin Family of Sequiterpenes", <u>The Journal of Organic Chemistry</u> , 61 (1), (Jan. 12, 1996), pp. 73-81	
		PADWA, ALBERT, et al., "Synthetic studies toward Illudins and Ptuguilosin. A Highly Convergent approach via the dipolar cycloaddition of carbonyl ylides", <u>The Journal of the American Chemical Society</u> , 116, (1994), pp. 2667-2668	
		SCHABEL, F. M., et al., "Testing Therapeutic Hypotheses in Mice and Man: Observations on the Therapeutic Activity Against Advanced Solid Tumors of Mice Treated with Anticancer Drugs that Have Demonstrated or Potential Clinical Utility for Treatment of Advanced Solid Tumors of Man", In: <u>Methods in Cancer Research</u> , Vol. XVII, Cancer Drug Development Part B, Chapter 1, Academic Press, Inc., (1979), pp. 3-50	
		SHIMOMURA, O., "The Role of Superoxide Dismutase in Regulating the Light Emission of Luminescent Fungi", <u>The Journal of Experimental Botany</u> , 43 (256), (Nov. 1992), pp. 1519-1525	

EXAMINER

Leigh C. Maier

DATE CONSIDERED 11-22-04

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete if Known	
	Application Number	Unknown
	Filing Date	Even Date Herewith
	First Named Inventor	McMorris, Trevor
	Group Art Unit	Unknown 1623
	Examiner Name	Maier, Leigh
Sheet 5 of 5	Attorney Docket No: 103.006US5	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		SHINOZAWA, S. , et al., "The Antitumor Effect of Illudin S (Lampterol) Entrapped in Liposome for Mice Inoculated with Ehrlich Ascites Tumor Cells", <u>Chemical Abstracts</u> , 90 (25), Abstract No. 197682m, (June 18, 1979), 1 p.	
		STEEL, G. G., et al., "The Response to Chemotherapy of a Variety of Human Tumor Xenografts", <u>Br. J. Cancer</u> , 47, (1983), pp. 001-013	
		TANAKA, K. , et al., "Metabolism by Rat Liver Cytosol of Illuden S, a Toxic Substance of Lampteromyces Japonicus. II. Characterization of Illuden S-Metabolizing Enzyme", <u>Xenobiotica</u> , 22 (1), (1992), pp. 33-39	
		TANAKA, K. , et al., "Metabolism of Illuden S, a Toxic Principle of Lampteromyces Japonicus, by Rat Liver. I. Isolation and Identification of Cyclopropane Ring-Cleavage Metabolites", <u>Xenobiotica</u> , 20 (7), (1990), pp. 671-681	
		TANAKA, KEN , et al., "Michael-type addition of illudin S, a toxic substance from Lampteromyces japonicus with Cysteine and Cysteine-containing peptides in vitro", <u>Chem. Pharm. Bull.</u> , Vol. 44, No. 2, (1996), pp. 273-279	
		TELEAY, <u>Tetrahedron Lett.</u> (Teleay, 00404039); 97, Vol. 38, U of California, 1697-1698	
		VARKI, N. M., et al., "Cloned Low Metastatic Variants from Human Lung Carcinoma Metastases", <u>Anticancer Research</u> , 10, (1990), pp. 637-644	
		VENDETTI, J. M., et al., "Current NCI Preclinical Antitumor Screening in Vivo: Results of Tumor Panel Screening, 1976-1982, and Future Directions", <u>Advances in Pharmacology and Chemotherapy</u> , 20, (1984), pp. 1-20	
		VENDITTI, J. M., "The National Cancer Institute Antitumor Drug Discovery Program, Current and Future Perspectives: A Commentary", <u>Cancer Treatment Reports</u> , 67 (9), (Sept. 1983), pp. 767-772	
		WALSER, J. , et al., "Mode of Action of Illuden S", <u>Antimicrobial Agents and Chemotherapy</u> , 3 (3), (March 1973), pp. 357-363	
		WEINREB, S. M., "Fulvenes Derived from Illuden S", <u>Tetrahedron Letters</u> , 38, (Sept. 1971), pp. 3489-3491	
		WEISS, D. , et al., "Antibiotic Substances from Basidiomycetes. VII. Clitocybe Illudens", <u>Proc. Natl. Acad. Sci. USA</u> , 36 (5), (1950), 300-305	

EXAMINER

Leigh C. Maier

DATE CONSIDERED 11-22-04